

ABSTRACT

An organometallic compound vaporizing and feeding
5 system includes a carrier gas feed passageway connecting a
carrier gas source to a container containing an
organometallic compound MO and having a carrier gas mass flow
controller, an MO gas passageway connecting the container to
an in-line monitor for transporting the MO gas, a sample gas
10 passageway connecting the in-line monitor to a sample inlet
of an ICP spectrometer, a standard gas passageway connecting
a gas cylinder filled with a calibration standard gas to the
sample gas passageway and having a standard gas mass flow
controller, and a diluent gas passageway connected to the
15 standard gas passageway for passing a diluent gas for
adjusting the concentration of the standard gas and having a
diluent gas mass flow controller.